

PATENT

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APR 1 1998  
Applicant : D'Apice et al. Art Unit: 1643  
Serial No.: 08/984,900 Examiner: Unknown  
Filed : December 4, 1997  
Title : MATERIALS AND METHODS FOR MANAGEMENT OF HYPERACUTE  
REJECTION IN HUMAN XENOTRANSPLANTATION

Assistant Commissioner for Patents  
Washington, DC 20231

SECOND PRELIMINARY AMENDMENT

Prior to examination, please amend the application as follows:

In the Specification

Please delete the title provided above and substitute therefore --PIGS AND PIG CELLS HAVING AN INACTIVATED  $\alpha$  1,3-GALACTOSYL TRANSFERASE GENE--.

Please enter the substitute Sequence Listing sheets and computer readable form enclosed herewith.

Please enter substitute Figures 4 and 5 enclosed herewith.

In the Claims

Please cancel claims 4-7, 12, 15-18, 21-26, 28-29, and 31.

Please add new claims 46-67 as follows:

46. A DNA construct comprising a disrupted porcine  $\alpha$ -1,3 galactosyltransferase gene, wherein the disruption is by the insertion of an exogenous sequence into said gene such that the

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Date of Deposit April 1, 1998  
I hereby certify under 37 CFR 1.10 that this correspondence is being deposited with the United States Postal Service as "Express Mail Post Office To Addressee" with sufficient postage on the date indicated above and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

William E. Dingman  
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